

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Previously presented) A method for identifying a tank containing a liquid from N number of tanks in a semiconductor manufacturing facility into which a batch of semiconductor products is to be processed, the method comprising:

receiving an incoming batch of products to be processed in a predetermined number of tanks housing the liquid;

identifying a batch number of the batch;

determining with a controller a recipe index from a modulus of N divided by the batch number; and

determining with the controller the tank into which the batch is to be processed from the modulus of the sum of the recipe index and the predetermined number of tanks, divided by N.

2. (Original) The method of claim 1, wherein the batch number associated with the batch to be processed is representative of the number of batches that have been processed in the liquid in the tanks since the last time the liquid was changed.

3. (Original) The method of claim 1, additionally comprising processing the incoming products in the tank identified.

4. (Canceled)

17. (Original) A system for identifying a tank housing a liquid from N number of tanks in a semiconductor manufacturing facility into which a batch of semiconductor products is to be processed in a predetermined number of tanks housing the liquid, the system comprising:

N number of tanks housing the liquid; and

a controller adapted for identifying a batch number of the batch of products, determining a recipe number from the modulus of N divided by the batch number, and determining the tank into which the batch is to be processed from the modulus of the sum of the recipe number and the predetermined number of tanks, divided by N.

18. (Original) The system of claim 17, additionally comprising a device configured to process the incoming products in the tank identified.

19-20 (Canceled)

21. (Previously presented) A system for identifying a tank housing a liquid from N number of tanks in a semiconductor manufacturing facility into which a batch of semiconductor products is to be processed in a predetermined number of tanks housing the liquid, the system comprising:

N number of tanks housing the liquid;

means for receiving a batch of products and identifying a batch number of the batch of products;

a controller configured to determine a recipe number from a modulus of N divided by the batch number, the controller also being configured to determine the tank into which the batch is to be processed from a modulus of the sum of the recipe number and the predetermined number of tanks, divided by N; and

means for processing the incoming products in the tank identified.